STATE OF CALIFORNIA
JOB OPPORTUNITY BULLETIN
CEC-8 (Revised 04/16)

CALIFORNIA ENERGY COMMISSION

JOB OPPORTUNITY BULLETIN

CLASSIFICATION: Electric Generation System Specialist I

TENURE/TIMEBASE: Permanent/ Full-time

SALARY: $7,058 - $8,732

LOCATION: Energy Assessments Division, Supply Analysis Office
Sacramento, CA

FINAL FILING DATE: Until Filled

The Energy Assessments Division (EAD) consists of a multi-disciplinary staff of economists, and engineers responsible for developing methodologies, models, and data for analyzing energy supply and demand. The Supply Analysis Office (SAO) conducts assessments of the electricity and natural gas systems, as well as transportation fuels costs, supply, and other fuels related matters.

DUTIES/RESPONSIBILITIES: The incumbent performs and evaluates engineering and economic analysis related to the development, interconnection, and operation of combined heat and power generation (CHP) and its impact on the electricity system in California. These assignments are varied, complex, technical, and require the application of knowledge of central and distributed generation renewable and non-renewable plant design, operations, as well as economics and finance of power plant development. The incumbent must be able to evaluate the impact of CHP development on the operation of the entire California electricity system from both an engineering (impact on need for distribution and transmission), economic (financial costs and benefits), environmental impacts related to meeting state goals to reduce greenhouse gas (GHG) reductions, and influence CHP generation has on California refinery activity, reliability, and economic health. More specifically, the incumbent:

- Develops, performs, and evaluates assessments of the technical, economic, and market potential of CHP and combined cooling heat and power (CCHP) in the commercial and industrial sectors, as well as multifamily residences in California. Analyzes the impact of electricity and natural gas prices on CHP, CCHP, and refinery operations. Evaluates how tax incentives and subsidies affect the development of new and repowered CHP facilities. Identifies the most significant technology and regulatory barriers that continue to discourage CHP development and make recommendations for required revenue streams, and policies to address these barriers. Reviews and reports on existing tariffs and contracts that are available to CHP developers in investor-owned utility and publicly owned utility service territories. Develops characteristics of refinery cogeneration facilities and identify refinery operational changes and benefits resulting from CHP use. Evaluates the impact of these new resources on utility reliability and adequacy, as well as potential benefits to increase micro-grid development in California. Assesses the need for modern infrastructure upgrades to accommodate increased penetration of CHP at the distribution level.

- Reviews, evaluates, and performs assessments analyzing the impacts of increased electric vehicle ownership to localized electrical distribution systems. Identifies possible methods to mitigate these impacts including, but not limited to, increased use of distributed energy resources and micro-grids. Reviews and reports on utility distribution system upgrades, micro-grid system integration, and distributed energy resource installations designed to accommodate increased electric vehicle use and overall system resiliency. Evaluates and performs assessments

analyzing the economic and resiliency benefits in integrating distributed energy resources with electric vehicles in micro-grid arrangements.

DESIRABLE EXPERIENCE/QUALIFICATIONS:

- Excellent analytical skills and the ability to reason logically and creatively while analyzing a variety of analytical techniques.
- Excellent written and oral communication skills. Ability to effectively write and edit technical program information. Ability to gather, compile, analyze, and interpret written and numerical research data.
- Excellent interpersonal and leadership skills. Ability to work under pressure effectively, both under supervision as well as independently, within a team environment and maintaining positive and constructive work relationships with others.
- Proficiency on a personal computer and familiarity with word processing, data base management, spreadsheets, models, and graphics.
- Intermediate to Advanced skills with Microsoft Excel and Microsoft Word software programs.

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the SROA process: SROA/SURPLUS/REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #810-090 and Position #810-4841-017 in the "Explanation Section" of the STD. 678.**

Please Note: *Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant's name may be removed from the eligibility list.*

SUBMIT APPLICATIONS TO:
Personnel Services Office
Attn: RPA #810-090
1516 9th Street, MS-3
Sacramento, CA 95814

View full Duty Statements:
http://www.energy.ca.gov/careers/jobs.html

For additional questions regarding this recruitment, you may contact (916) 654-4309 or email personnelservices@energy.ca.gov.

California Relay (Telephone) Service – TDD Phones: 1-800-735-2929 and Voice Phones: 1-800-735-2922